

Prior to entry of this paper, Claims 1-20 and 27-32 were pending. Claims 5 and 27-32 are allowed and Claims 1-4 and 6-20 were rejected. In this paper, Claims 1, 4, 6, 11, 13, 16, 18, 27, and 30 are amended; Claims 3 and 17 are cancelled; and Claims 33-37 are newly added. Claims 1-2, 4-16, 18-20, and 27-37 are currently pending. No new matter is added by way of this amendment. For at least the following reasons, Applicant respectfully submits that each of the presently pending claims is in condition for allowance.

Claims 5 and 27-32 have been allowed and Applicant thanks the Examiner for his work on this matter.

Claims 1-2 and 11-16 were rejected under 35 U.S.C. 103 (a) as being obvious over Agarwal et al., US 2004/0032406 (“Agarwal”) in view of Ward et al., US 2004/0135602 (“Ward”). Claims 3-4, 6-10, and 17-20 were rejected under 35 U.S.C. 103 (a) as being obvious over Agarwal in view of Ward and further in view of Donnelly et al., US 2004/0223571 (“Donnelly”).

In light of the amendments above, it is respectfully submitted that the rejections under 35 U.S.C. 103 are moot.

Claim 33 depends on amended independent Claim 1. It is respectfully submitted to be allowable for at least that reason.

New independent Claim 34 is respectfully submitted to be allowable at least because none of the cited references disclose or suggest “a Phase Digital to Analog Converter, including: a first current source circuit that is arranged to receive a first control input, wherein while the first control input is at a first logic level, the first current source circuit provides a current of a first magnitude to a first

weight signal, and wherein while the first control input is at a second logic level, the first current source provides a current of the first magnitude to a second weight signal”, as recited by Applicant’s Claim 34.

Claims 35-37 depends on new independent Claim 34. They are respectfully submitted to be allowable for at least that reason.

**CONCLUSION**

It is respectfully submitted that each of the presently pending claims is in condition for allowance and notification to that effect is requested. The Examiner is invited to contact the Applicant's representative at the below-listed telephone number if it is believed that the prosecution of this application may be assisted thereby. Although only certain arguments regarding patentability are set forth herein, there may be other arguments and reasons why the claimed invention is patentable. Applicant reserves the right to raise these arguments in the future.

Dated: April 23, 2007

Respectfully submitted,

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